Author Index of Volume 191

Abe, Y., 183
Albano, V. G., 213
Alessio, E., 15
Armstrong, B., 189

Baechle, W., 121
Bansemer, R. L., 31
Barbieri, R., 253
Benetollo, F., 49
Bereman, R. D., 171
Bernès, S., 11
Bisi Castellani, C., 115
Bismondo, A., 69
Bombieri, G., 49
Bonomi, F., 197
Borer, L. L., 167
Boyd, D. L., 39
Bradshaw, J. E., 3
Brouca-Cabarrecq, C., 227, 241

Cadiz, M. E., 131
Carloni, P., 161
Carugo, O., 115
Carvalho, L. R. F., 49
Casas, J. S., 75
Casellato, U., 69, 75
Castellari, C., 213
Caulton, K. G., 31
Chen, Q., 97
Cheng, H.-Y., 25
Chi-Ming Che, 7
Chiumia, G. C., 19
Chu, M. T., 21
Clark, R. J. H., 121
Clarke, E. T., 57
Coleman, J. E., 161
Cox, O., 131

D'Amico, M. L., 167
Duffy, N. V., 39
du Preez, J. G. H., 203
Du Shaowu, 65

Ellis, W. R., Jr., 149

Fabretti, A. C., 213
Felczan, A., 39
Folting, K., 31

Garcia, M. P., 221
García Martínez, E., 75
Gelerinter, E., 39
Giusti, A., 213
Golen, J. A., 85
Goshorn, D., 97
Gray, H. B., 7, 149
Graziani, R., 69, 75
Grier, A., 189

Hamilton, J. B., 189
Hargittai, I., 85
Haushalter, R. C., 97
Hirota, N., 249
House, D. A., 103
Huffman, J. C., 31

Iametti, S., 197
Ishiguro, S., 183

Jeannin, Y., 11
Jensen, C. M., 85
Johnson, B. F. G., 109

Kaizaki, S., 249
Katsoulos, G. A., 39
Khan, M. I., 97
Khuu, H., 189
Koubek, E., 103
Kurtz, D. M., Jr., 197
Kurotu, T., 141

Larsson, R., 179
Lau, C. P., 21
Lee, G.-H., 25
Legg, J. I., 249
Lu Jiaxi, 65

Magnussen, C., 167
Mahaffy, C. A. L., 189
Mangani, S., 161
Martell, A. E., 57
Martin, E. M., 171
Martin, M., 221
Medina, E., 131
Mestroni, G., 15
Miah, M. A. A., 19
Milani, B., 15
Ming-Chu Cheng, 7
Mochizuki, K., 35
Morris, K. B., 203
Muir, M. M., 131
Mullica, D. F., 3
Murmann, R. K., 91

Nanney, J. R., 189

Okumura, A., 249
Oro, L. A., 221
Ozutsumi, K., 183

Peng, S.-M., 25
Pennington, D. E., 3
Peters, J. A., 261
Phillips, D. J., 19

Rasmussen, K., 167
Rawlings, J., 189
Reibenspies, J., 171
Ren, C. Y., 21
Rhodes, L. F., 31
Rivera, L. A., 131
Rizzo, L., 69
Rodger, A., 109
Rohwer, H. E., 203
Rotter, H. W., 121
Russell, J. G., 167

Sánchez González, A., 75
Sanger, A. R., 81
Sapperfield, E. L., 3
Schultz, G., 85
Sécheresse, F., 11
Segawa, K., 249
Shepherd, R. E., 271
Shin-Shi Chen, 91
Simándi, L. I., 1
Sisneros, D., 167
Sordo, J., 75
Srivastava, R. S., 15
Steed, J. W., 29
Strong St. Clair, C., 149
Subbotina, N. Yu., 85

Tanabe, M., 249
Thiele, G., 121
Tocher, D. A., 29
Tohji, K., 183
Trombe, J.-C., 227, 241
Tsutsumi, M., 35

Udagawa, Y., 183
Uhrich, D. L., 39

van Bekkum, H., 261
Vassian, E. G., 91
Venema, F. R., 261
Vicentini, G., 49
Viezzoli, M. S., 161

Wade, H., 167
Woosley, R. S., 91
Wu Jianhui, 65
Wu Xintao, 65

Yamaji, Y., 35
Yamamoto, M., 249
Yeung, C. H., 21
Yu Wang, 7

Záhonyi-Budó, É., 1
Zhang, S., 271
Zhu Nianyong, 65
Zimmerman, J. B., 39
Zinner, L. B., 49
Zubieta, J., 97

Subject Index of Volume 191

Allyl complexes
synthesis of cationic Ru(IV) allyl compounds containing chelating N-donor ligands; X-ray crystal structure of $[(\eta^3{:}\eta^3\text{-}C_{10}H_{16})Ru(N_3C_{15}H_{11})][BF_4]_2 \cdot CH_3NO_2$, 29
Aluminium complexes
multinuclear magnetic resonance study of coordination of Al(III) with tartaric acid in aqueous solution, 261
Amide complexes
interaction between U(IV), Cl^-, Br^- and monodentate amide ligands; quantitative treatment, 203
Amino acid complexes
polarographic and circular dichroism spectroscopic studies on Cd^{2+} and/or Zn^{2+}–poly(α-L-glutamic acid) complex in aqueous solution, 141
Ammine complex
hydrolysis products of *cis*-diamminedichloroplatinum(II); rate of hydrogen isotope exchange reaction, 103
Antitumor activity
QSAR approach to understand antitumour activity of organotins, 253
Arene complexes
prediction of ^{19}F NMR spectra of fluoro-substituted arene-tricarbonylchromium complexes, 189

Bidentate ligand complexes
Cu(I) and Ni(II) complexes of *N,N′,N″,N‴*-tetramethyl-sulfonyl-1,4-benzoquinonediimine-2,5-diaminato, 25
preparation of novel *cis* isomer of bis(malonato)chromate-(III) type complexes, 249
Bidentate sulfur ligand complexes
crystal and molecular structures of Ni(II), Pd(II) and Pt(II) complexes of methyl-2-amino-1-cyclopentene-dithiocarboxylate, 171
Bimetallic complexes
trans-effect of dialkyl sulfide on Pt(III)–Pt(III) bond; synthesis, spectroscopy and X-ray crystal structure of $[Bu_4N]_2[Pt_2(P_2O_5H_2)_4(SEt_2)_2]$, 7

Cadmium complexes
polarographic and circular dichroism spectroscopic studies on Cd^{2+} and/or Zn^{2+}–poly(α-L-glutamic acid) complex in aqueous solution, 141
Carbonyl complexes
Os carbonyl cluster based catalysts for selective hydrogenation of α, β-unsaturated carbonyl compounds, 21
prediction of ^{19}F NMR spectra of fluoro-substituted arene-tricarbonylchromium complexes, 189
Carboxylate complexes
thermodynamics of complexation of uranyl(VI) ion with phenylacetate; crystal structure of $NaUO_2L_3$ (L = $PhCH_2CO_2^-$), 69
Carboxylato complexes
crystal structure of μ_3-oxo-hexakis(μ_2-carboxylatopyridine-*O,O*)triaquatrichromium(III) perchlorate, $\{[Cr_3O(i\text{-}C_6H_5O_2N)_6(H_2O)_3](ClO_4)_7 \cdot 3NaClO_4 \cdot 3H_2O\}$, 3
Catalysis
epoxidation of cyclic olefins using dimeric Mo(VI) catalysts, 167
novel Ru(III)–dimethyl sulfoxide catalysts for selective oxidation of thioethers to sulfoxides with molecular oxygen, 15
Os carbonyl cluster based catalysts for selective hydrogenation of α, β-unsaturated carbonyl compounds, 21
Chelate complexes
Cu(I) and Ni(II) complexes of *N,N′,N″,N‴*-tetramethyl-sulfonyl-1,4-benzoquinonediimine-2,5-diaminato, 25
Friedel–Crafts acetylation of (NiC_3N_2)-quasi-aromatic ring in Ni(II) complex, Nioyl, 91
preparation of novel *cis* isomer of bis(malonato)chromate(III) type complexes, 249
stabilities of 1,2-dimethyl-3-hydroxy-4-pyridinone chelates of divalent and trivalent metal ions, 57
Chromium complexes
crystal structure of μ_3-oxo-hexakis(μ_2-carboxylatopyridine-*O,O*)triaquatrichromium(III) perchlorate, $\{[Cr_3O(i\text{-}C_6H_5O_2N)_6(H_2O)_3](ClO_4)_7 \cdot 3NaClO_4 \cdot 3H_2O\}$, 3
prediction of ^{19}F NMR spectra of fluoro-substituted arene-tricarbonylchromium complexes, 189
preparation of novel *cis* isomer of bis(malonato)chromate(III) type complexes, 249
Cluster complexes
heterometallic cluster with extreme hydride content; $H_{24}Cu_6Re_4(PPh_3)_8^{2+}$, 31
Os carbonyl cluster based catalysts for selective hydrogenation of α, β-unsaturated carbonyl compounds, 21
Cobalt complexes
fluorescent EXAFS study on structure of solvated Co(II) ion and chlorocobalt(II) complexes in hexamethyl-phosphoric triamide, 183
Copper complexes
Cu(I) and NI(II) complexes of *N,N′,N″,N‴*-tetramethyl-sulfonyl-1,4-benzoquinonediimine-2,5-diaminato, 25
electrochemical synthesis of 'lariat' mononuclear Ni(II) complex with bimacrocyclic ligand from its hetero-binuclear Cu(II)Ni(II) complex, 35
heterometallic cluster with extreme hydride content; $H_{24}Cu_6Re_4(PPh_3)_8^{2+}$, 31
novel trinuclear pyridazine-bridged metal complexes obtained by using bis-pyridazinecarboxamide metal complexes as ligands, 19
spectroelectrochemistry of blue Cu proteins; pH and temperature dependences of reduction potentials of five azurins, 149
synthesis and characterisation of $(NMe_4)_5[MoS_4(CuCl)_6Cl_3]$; ultimate step of addition of CuCl to thiomolybdate, 11
synthesis, characterization, crystal and molecular structure of cations bis[oxamidate-*N,N′*-dipropylamine-2,2′-dimethyl-*N,N′,N*$_1$,*N*$_1$′-Cu(II)]Cu(II) ($[CuN_4CuO_4CuN_4]^{2+}$) and bis[oxamidate-*N,N′*-dipropylamine-2,2′-dimethyl-*N,N′,N*$_1$*N*$_1$′-Cu(II)]dicopper(II)-*O,O*$_1$,*O*$_2$,*N*$_1$,*N*$_2$-μ-(oxamidate-*N,N′*-dipropylamine-2,2′-dimethyl-*N,N′,O,O*$_1$,*N*$_1$,*N*$_1$′,*O*$_1$) ($[CuN_4(CuN_2O_3)_2CuN_4]^{2+}$) packed in same crystal as their tetranitrate dihydrate salts, 213
Croconate complexes
synthesis, crystal structure and thermal behaviour lanthanide croconates, 227
Th(IV) and dioxo-U(VI) croconates, 241

Crystal structure(s)
of bis[oxamidate-*N*,*N*′-dipropylamine-2,2′-dimethyl-*N*,*N*′,N_1,N_1′-Cu(II)]Cu(II) ($[CuN_4CuO_4CuN_4]^{2+}$) and bis[oxamidate-*N*,*N*′-dipropylamine-2,2′-dimethyl-*N*,*N*′,N_1,N_1′-Cu(II)]dicopper(II)-*O*,O_1,O_2,N_1,N_2-μ-(oxamidate)-*N*,*N*′-dipropylamine-2,2′-dimethyl-*N*,*N*′,*O*,N_1,N_1′,O_1) ($[CuN_4(CuN_2O_3)_2CuN_4]^{2+}$), 213
of $[Bu_4N]_2[Pt_2(P_2O_5H_2)_4(SEt_2)_2]$, 7
of $[(\eta^3{:}\eta^3\text{-}C_{10}H_{16})Ru(N_3C_{15}H_{11})][BF_4]_2 \cdot CH_3NO_2$, 29
of $\{[Cr_3O(i\text{-}C_6H_5O_2N)_6(H_2O)_3](ClO_4)_7 \cdot 3NaClO_4 \cdot 3H_2O\}$, 3
of Cu(I) and Ni(II) complexes of *N*,*N*′,*N*″,*N*‴-tetramethylsulfonyl-1,4-benzoquinonediimine-2,5-diaminato, 25
Friedel–Crafts acetylation of (NiC_3N_2)-quasi-aromatic ring in Ni(II) complex, Nioyl, 91
of $K_7Na[As_4^{V}V_7^{V}V_5^{IV}O_{43}H_3] \cdot 7H_2O$, 97
of lanthanide croconates, 227
of $\{MoAg_3S_3Cl\}(PPh_3)_3S$, 65
of $NaUO_2L_3$ (L = $PhCH_2CO_2^-$), 69
of Ni(II), Pd(II) and Pt(II) complexes of methyl-2-amino-1-cyclopentenedithiocarboxylate, 171
of $(NMe_4)_5[MoS_4(CuCl)_6Cl_3]$, 11
of *cis*-$PdCl_2[P(CH_3)_3]_2$, 85
of tetrakis[1-methyl-2(3*H*)-imidazolinethione] dimethyltin(IV) nitrate, 75
of Th(IV) and dioxo-U(VI) croconates, 241
of δ-valerolactam lanthanide perchlorate complexes, 49
Cyclic olefin complexes
epoxidation of cyclic olefins using dimeric Mo(VI) catalysts, 167

Dimethyl sulfoxide complexes
isokinetic effect of ligand substitution reactions of $Ni(DMSO)_6^{2+}$ in DMSO solution, 179
novel Ru(III)–dimethyl sulfoxide catalysts for selective oxidation of thioethers to sulfoxides with molecular oxygen, 15
Dinuclear complexes
mono- and dinuclear Rh(I) complexes containing ligand 3,5-bis(pyridin-2-yl)-1,2,4-triazole, 221
preparation of Rh–$SnCl_2$–Rh bridged A-frame complex, and reversible reaction with CO and chloride to form corresponding $SnCl_3^-$ complex, 81
Dithiocarbomato complexes
anomalous Mössbauer spectra of tris(diethanoldithiocarbamato)Fe(III); solvate effects, 39

Electrochemistry
electrochemical synthesis of 'lariat' mononuclear Ni(II) complex with bimacrocyclic ligand from its heterobinuclear Cu(II)Ni(II) complex, 35
polarographic and circular dichroism spectroscopic studies on Cd^{2+} and/or Zn^{2+}–poly(α-L-glutamic acid) complex in aqueous solution, 141
spectroelectrochemistry of blue Cu proteins; pH and temperature dependences of reduction potentials of five azurins, 149
Enzyme complexes
EXAFS study of active site of alkaline phosphatase from *E. coli*, 161
Epoxidation
epoxidation of cyclic olefins using dimeric Mo(VI) catalysts, 167
EXAFS spectroscopy
EXAFS study of active site of alkaline phosphatase from *E. coli*, 161
fluorescent EXAFS study on structure of solvated Co(II) ion and chlorocobalt(II) complexes in hexamethylphosphoric triamide, 183

Geometry
significance of ligand–ligand interactions for transition metal complex geometries, 109

Halide complexes
fluorescent EXAFS study on structure of solvated Co(II) ion and chlorocobalt(II) complexes in hexamethylphosphoric triamide, 183
gas phase and crystal molecular structures of *cis*-$PdCl_2[P(CH_3)_3]_2$, 85
Heterocyclic ligand complexes
lanthanide croconates; synthesis, crystal structure and thermal behaviour, 227
preparation, characterization and crystal structure of tetrakis[1-methyl-2(3*H*)-imidazolinethione] dimethyltin(IV) nitrate, 75
stabilities of 1,2-dimethyl-3-hydroxy-4-pyridinone chelates of divalent and trivalent metal ions, 57
synthesis and characterization of new Pt(II) complexes containing thiazole and imidazole donors; dichlorobis-(styrylbenzazole)Pt(II) complexes, 131
Hydride complexes
heterometallic cluster with extreme hydride content; $H_{24}Cu_6Re_4(PPh_3)_8^{2+}$, 31
Hydrogenation
Os carbonyl cluster based catalysts for selective hydrogenation of α, β-unsaturated carbonyl compounds, 21
Hydrolysis
hydrolysis products of *cis*-diamminedichloroplatinum(II); rate of hydrogen isotope exchange reaction, 103

Iodide complexes
Raman and resonance Raman spectroscopy of iodoplatinate(II), iodoplatinate(IV) and mixed-valence iodoplatinate(II,IV) salts, 121
Iron complexes
anomalous Mössbauer spectra of tris(diethanoldithiocarbamato)Fe(III); solvate effects, 39

Kinetics and mechanism
formation constants of $Ru^{II}(hedta)^-$ complexes of olefins and η^2-coordinated pyrimidines related to cytidine and uridine, 271
hydrolysis products of *cis*-diamminedichloroplatinum(II); rate of hydrogen isotope exchange reaction, 103
isokinetic effect of ligand substitution reactions of $Ni(DMSO)_6^{2+}$ in DMSO solution; 179

Lactam complexes
synthesis, properties and structure of δ-valerolactam lanthanide perchlorate complexes, 49
Lanthanide complexes
covalent and electrostatic contributions to bonds involving lanthanoid(III) cations; new look based on parametric correlation of complexation constants, 115
lanthanide croconates; synthesis, crystal structure and thermal behaviour, 227
synthesis, properties and structure of δ-valerolactam lanthanide perchlorate complexes, 49

Macrocyclic ligand complexes
electrochemical synthesis of 'lariat' mononuclear Ni(II) complex with bimacrocyclic ligand from its heterobinuclear Cu(II)Ni(II) complex, 35
Manganese complexes
induced oxidation of P(III) by short-lived manganate(V) intermediate in permanganate oxidation of arsenite(III), 1
Metal complexes
stabilities of 1,2-dimethyl-3-hydroxy-4-pyridinone chelates of divalent and trivalent metal ions, 57
Molybdenum complexes
epoxidation of cyclic olefins using dimeric Mo(VI) catalysts, 167
new synthetic method for MS_4^{2-} (M = Mo, W); evidence for catalysis of aqueous MO_4^{2-}/MS_4^{2-} interconversion by thiols, 197
synthesis and characterisation of $(NMe_4)_5[MoS_4(CuCl)_6Cl_3]$; ultimate step to addition of CuCl to thiomolybdate, 11
synthesis and crystal structure of first cubane-like complex of Mo–Ag–S series; $\{MoAg_3S_3Cl\}(PPh_3)_3S$, 65
Mössbauer spectroscopy
anomalous Mössbauer spectra of tris(diethanoldithiocarbamato)Fe(III); solvate effects, 39
Multidentate ligand complexes
synthesis, characterization, crystal and molecular structure of cations bis[oxamidate-*N*,*N*′-dipropylamine-2,2′-dimethyl-*N*,*N*′,N_1,N_1′-Cu(II)]Cu(II) ($[CuN_4CuO_4CuN_4]^{2+}$) and bis[oxamidate-*N*,*N*′-dipropylamine-2,2′-dimethyl-*N*,*N*′,N_1,N_1′-Cu(II)]dicopper(II)-*O*,O_1,O_2,N_1,N_2-μ-(oxamidate-*N*,*N*′-dipropylamine-2,2′-dimethyl-*N*,*N*′,*O*,N_1,N_1′,O_1) ($[CuN_4(CuN_2O_3)_2CuN_4]^{2+}$) packed in same crystal as their tetranitrate dihydrate salts, 213

N-donor ligand complexes
synthesis of cationic Ru(IV) allyl compounds containing chelating N-donor ligands; X-ray crystal structure of $[(\eta^3{:}\eta^3\text{-}C_{10}H_{16})Ru(N_3C_{15}H_{11})][BF_4]_2 \cdot CH_3NO_2$, 29
Nickel complexes
crystal and molecular structures of Ni(II), Pd(II) and Pt(II) complexes of methyl-2-amino-1-cyclopentene-dithiocarboxylate, 171
Cu(I) and Ni(II) complexes of *N*,*N*′,*N*″,*N*‴-tetramethylsulfonyl-1,4-benzoquinonediimine-2,5-diaminato, 25
electrochemical synthesis of 'lariat' mononuclear Ni(II) complex with bimacrocyclic ligand from its heterobinuclear Cu(II)NI(II) complex, 35
Friedel–Crafts acetylation of (NiC_3N_2)-quasi-aromatic ring in Ni(II) complex, Nioyl, 91
isokinetic effect of ligand substitution reactions of $Ni(DMSO)_6^{2+}$ in DMSO solution, 179
novel trinuclear pyridazine-bridged metal complexes obtained by using bis-pyridazinecarboxamide metal complexes as ligands, 19
Nuclear magnetic resonance
multinuclear magnetic resonance study of coordination of Al(III) with tartaric acid in aqueous solution, 261
Nucleobase complexes
formation constants of Ru^{II}(hedta)$^-$ complexes of olefins and η^2-coordinated pyrimidines related to cytidine and uridine, 271

Olefin complexes
formation constants of Ru^{II}(hedta)$^-$ complexes of olefins and η^2-coordinated pyrimidines related to cytidine and uridine, 271

Organotin complexes
QSAR approach to understand antitumour activity of organotins, 253
Osmium complexes
Os carbonyl cluster based catalysts for selective hydrogenation of α, β-unsaturated carbonyl compounds, 21
Oxidation
induced oxidation of P(III) by short-lived manganate(V) intermediate in permanganate oxidation of arsenite(III), 1
novel Ru(III)–dimethyl sulfoxide catalysts for the selective oxidation of thioethers to sulfoxides with molecular oxygen, 15
Oxo complexes
crystal structure of μ_3-oxo-hexakis(μ_2-carboxylatopyridine-*O*,*O*)triaquatrichromium(III) perchlorate, $\{[Cr_3O(i\text{-}C_6H_5O_2N)_6(H_2O)_3](ClO_4)_7 \cdot 3NaClO_4 \cdot 3H_2O\}$, 3
mixed valence heteropolyvanadate, $K_7Na[As_7^{V}V_7^{V}V_5^{IV}O_{43}H_3] \cdot 7H_2O$, 97

Palladium complexes
crystal and molecular structures of Ni(II), Pd(II) and Pt(II) complexes of methyl-2-amino-1-cyclopentene-dithiocarboxylate, 171
gas phase and crystal molecular structures of *cis*-$PdCl_2[P(CH_3)_3]_2$, 85
Phosphine complexes
gas phase and crystal molecular structures of *cis*-$PdCl_2[P(CH_3)_3]_2$, 85
Phosphorus complexes
induced oxidation of P(III) by short-lived manganate(V) intermediate in permanganate oxidation of arsenite(III), 1
Platinum complexes
crystal and molecular structures of Ni(II), Pd(II) and Pt(II) complexes of methyl-2-amino-1-cyclopentene-dithiocarboxylate, 171
trans-effect of dialkyl sulfide on Pt(III)–Pt(III) bond; synthesis, spectroscopy and X-ray crystal structure of $[Bu_4N]_2[Pt_2(P_2O_5H_2)_4(SEt_2)_2]$, 7
hydrolysis products of *cis*-diamminedichloroplatinum(II); rate of hydrogen isotope exchange reaction, 103
Raman and resonance Raman spectroscopy of iodoplatinate(II), iodoplatinate(IV) and mixed-valence iodoplatinate(II,IV) salts, 121
synthesis and characterization of new Pt(II) complexes containing thiazole and imidazole donors; dichlorobis(styrylbenzazole)Pt(II) complexes, 131
Polydentate ligand complexes
covalent and electrostatic contributions to bonds involving lanthanoid(III) cations; new look based on parametric correlation of complexation constants, 115
Friedel–Crafts acetylation of (NiC_3N_2)-quasi-aromatic ring in Ni(II) complex, Nioyl, 91
mono- and dinuclear Rh(I) complexes containing ligand 3,5-bis(pyridin-2-yl)-1,2,4-triazole, 221
novel trinuclear pyridazine-bridged metal complexes obtained by using bis-pyridazinecarboxamide metal complexes as ligands, 19
Polynuclear complexes
synthesis, characterization, crystal and molecular structure of cations bis[oxamidate-*N*,*N*′-dipropylamine-2,2′-dimethyl-*N*,*N*′,N_1,N_1′-Cu(II)]Cu(II) ($[CuN_4CuO_4CuN_4]^{2+}$) and bis[oxamidate-*N*,*N*′-dipropylamine-2,2′-dimethyl-*N*,*N*′,N_1,N_1′-Cu(II)]dicopper(II)-*O*,O_1,O_2,N_1N_2-μ-(oxamidate-*N*,*N*′-dipropylamine-2,2′-dimethyl-*N*,*N*′,*O*,N_1,N_1′,O_1)

([$CuN_4(CuN_2O_3)_2CuN_4]^{2+}$) packed in same crystal as their tetranitrate dihydrate salts, 213

Protein complexes
spectroelectrochemistry of blue Cu proteins; pH and temperature dependences of reduction potentials of five azurins, 149

Raman spectroscopy
Raman and resonance Raman spectroscopy of iodoplatinate(II), iodoplatinate(IV) and mixed-valence iodoplatinate(II,IV) salts, 121

Rhenium complexes
heterometallic cluster with extreme hydride content; $H_{24}Cu_6Re_4(PPh_3)_8^{2+}$, 31

Rhodium complexes
mono- and dinuclear Rh(I) complexes containing ligand 3,5-bis(pyridin-2-yl)-1,2,4-triazole, 221
preparation of Rh–$SnCl_2$–Rh bridged A-frame complex, and reversible reaction with CO and chloride to form corresponding $SnCl_3^-$ complex, 81

Ruthenium complexes
formation constants of Ru^{II}(hedta)$^-$ complexes of olefins and η^2-coordinated pyrimidines related to cytidine and uridine, 271
novel Ru(III)–dimethyl sulfoxide catalysts for selective oxidation of thioethers to sulfoxides with molecular oxygen, 15
synthesis of cationic Ru(IV) allyl compounds containing chelating N-donor ligands; X-ray crystal structure of $[(\eta^3{:}\eta^3\text{-}C_{10}H_{16})Ru(N_3C_{15}H_{11})][BF_4]_2 \cdot CH_3NO_2$, 29

Silver complexes
synthesis and crystal structure of first cubane-like complex of Mo–Ag–S series; $\{MoAg_3S_3Cl\}(PPh_3)_3S$, 65

Stability constants
stabilities of 1,2-dimethyl-3-hydroxy-4-pyridinone chelates of divalent and trivalent metal ions, 57

Sulfide complexes
trans-effect of dialkyl sulfide on Pt(III)–Pt(III) bond; synthesis, spectroscopy and X-ray crystal structure of $[Bu_4N]_2[Pt_2(P_2O_5H_2)_4(SEt_2)_2]$, 7

Sulfido complexes
new synthetic method for MS_4^{2-} (M = Mo, W); evidence for catalysis of aqueous MO_4^{2-}/MS_4^{2-} interconversion by thiols, 197

Sulfur complexes
synthesis and characterisation of $(NMe_4)_5[MoS_4(CuCl)_6Cl_3]$; ultimate step of addition of CuCl to thiomolybdate, 11
synthesis and crystal structure of first cubane-like complex of Mo–Ag–S series; $\{MoAg_3S_3Cl\}(PPh_3)_3S$, 65

Tartaric acid complexes
multinuclear magnetic resonance study of coordination of Al(III) with tartaric acid in aqueous solution, 261

Thermodynamics
of complexation of uranyl(VI) ion with phenylacetate; crystal structure of $NaUO_2L_3$ (L = $PhCH_2CO_2^-$), 69
covalent and electrostatic contributions to bonds involving lanthanoid(III) cations; new look based on parametric correlation of complexation constants, 115
stabilities of 1,2-dimethyl-3-hydroxy-4-pyridinone chelates of divalent and trivalent metal ions, 57

Thorium complexes
Th(IV) and dioxo-U(VI) croconates; synthesis, crystal structure and thermal behaviour, 241

Tin complexes
preparation, characterization and crystal structure of tetrakis[1-methyl-2(3*H*)-imidazolinethione] dimethyltin(IV) nitrate, 75
preparation of Rh–$SnCl_2$–Rh bridged A-frame complex, and reversible reaction with CO and chloride to form corresponding $SnCl_3^-$ complex, 81
QSAR approach to understand antitumour activity of organotins, 253

Transition metal complexes
significance of ligand–ligand interactions for transition metal complex geometries, 109

Trinuclear complexes
crystal structure of μ_3-oxo-hexakis(μ_2-carboxylatopyridine-*O*,*O*)triaquatrichromium(III) perchlorate, $\{[Cr_3O(i\text{-}C_6H_5O_2N)_6(H_2O)_3](ClO_4)_7 \cdot 3NaClO_4 \cdot 3H_2O\}$, 3
novel trinuclear pyridazine-bridged metal complexes obtained by using bis-pyridazinecarboxamide metal complexes as ligands, 19

Tungsten complexes
new synthetic method for MS_4^{2-} (M = Mo, W); evidence for catalysis of aqueous MO_4^{2-}/MS_4^{2-} interconversion by thiols, 197

Uranium complexes
interaction between U(IV), Cl^-, Br^- and monodentate amide ligands; quantitative treatment, 203
Th(IV) and dioxo-U(VI) croconates; synthesis, crystal structure and thermal behaviour, 241

Uranyl complexes
thermodynamics of complexation of uranyl(VI) ion with phenylacetate; crystal structure of $NaUO_2L_3$ (L = $PhCH_2CO_2^-$), 69

Vanadium complexes
mixed valence heteropolyvanadate, $K_7Na[As_4^{V}V_7^{V}V_6^{IV}O_{43}H_3] \cdot 7H_2O$, 97

Zinc complexes
EXAFS study of active site of alkaline phosphatase from *E. coli*, 161
polarographic and circular dichroism spectroscopic studies on Cd^{2+} and/or Zn^{2+}–poly(α-L-glutamic acid) complex in aqueous solution, 141